

UNCLASSIFIED

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# MASTER INDEX

To

ENGINEERING DATA FILES IN SIXTEEN MILLIMETER MICROFILM FORMATS

FIRST EDITION

September, 1970



PICATINNY ARSENAL

DOVER, NEW JERSEY 07801

Under

Contract DAAA21-69-C-0642

by

DATAFLOW SYSTEMS, INCORPORATED

BETHESDA, MARYLAND 20014

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FIRST EDITION

MASTER INDEX

To

ENGINEERING DATA FILES IN SIXTEEN MILLIMETER MICROFILM FORMATS

produced by the

ENGINEERING DATA STORAGE AND RETRIEVAL (EDS&R) PROJECT  
TECHNICAL SERVICES DIRECTORATE  
PICATINNY ARSENAL  
DOVER, NEW JERSEY

07801

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## ABSTRACT

Produced for the Engineering Data Storage and Retrieval (EDS&R) Project which is sponsored by the Information Systems Office of the Office of the Chief, Research and Development (OCD), U.S. Army, and is operated in close coordination with the Department of Defense Standardization Program, this Master Index provides the following information on 45 government and commercial engineering data files in 16mm microfilm formats: File size and type; arrangement of information and type of index; security classifications; file availability, noting address and distribution source, any restriction, and costs; number of reels (cartridges); period covered, updating cycle, and general subject content. The individual data files are arranged alphabetically by title and indexed by subject descriptors and producing activities. Forms and instructions are included to encourage the addition of new files and the updating of current ones.

## INTRODUCTION

The Engineering Data Storage and Retrieval (EDS&R) Project is sponsored by the Information Systems Office of the Office of the Chief, Research and Development (OCD), U.S. Army, and is operated in close coordination with the Department of Defense Standardization Program. This master index of engineering data files in 16mm microfilm formats was developed in support of one of the basic elements in the overall philosophy of the EDS&R Project, namely, that, whenever possible, existing engineering data files would form the basis for the future Department of Defense Engineering Data Storage and Retrieval System. The index, then, is both a usable tool for the engineer seeking additional sources of information and an information exchange tool for the EDS&R concept. Hopefully, the distribution of the Master Index will encourage those who have 16mm engineering data files not listed in this edition to complete the enclosed addition forms so that they will appear in subsequent updated editions. For the purpose of encouraging accuracy and currency, we have also included forms for corrections and updates to the data files listed in this edition.

Updated file descriptions included in this edition were solicited from the producers by mail and telephone. All known files were included, but, undoubtedly, there are more in existence; an aim of the EDS&R Project is to identify as many of these files as possible, so all users are asked to cooperate in forwarding information about files not included to the EDS&R Project Officer.

A limited, previous test project "Master Index" was issued in November, 1969, in a 16mm microfilm format only. This is the first hard copy edition and all entries have been updated.

The findings in this report are not to be construed as an official Department of the Army position.

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## INSTRUCTIONS FOR USING THE MASTER INDEX

The Master Index provides a consolidated reference to scientific and technical data useful in the engineering environment and available in 16mm microfilm formats. Users desiring specific information can determine if such information is within the scope of the indexed files, where the file is located, and how it can be obtained.

### 1. Individual File Descriptions

Each description is divided into four parts (A,B,C,D) with Part A containing general administrative information. The following data is presented in sequence: film size and type, arrangement of information and type of index; security classification (only if classified); file availability; number of reels (cartridge); and period covered or current updating cycle. Part B, the technical subject description, describes in detail the area of interest of the file, its design use, and its technical scope and content.

Part C is a list of all index terms used to identify that file in the Master Index. Part D provides additional availability information, noting, as appropriate, the distribution source, any restrictions on availability and costs. Some of the files included in the Master Index will be maintained by one organization, but distributed to many. Also, many of the commercial files are leased to several installations.

Following Part D is printed the heading "Local Availability and User's Instructions", and, under this heading, the person at each site responsible for the Master Index should write the address for the most convenient location of the file and any instructions for obtaining specific information from the file.

The file descriptions are arranged alphabetically by file title. Each file has been assigned an accession number that is the reference point for all the indexes.

### 2. Indexes

A. The Subject Descriptor Index to the Master Index is based on an open-ended vocabulary derived from the data files themselves, with the actual descriptor terms taken from the DOD "Thesaurus of Engineering and Scientific Terms" (TEST). To the right of each term is the accession number(s) of the data file(s) relevant to that subject.

B. The Index of Producing Activities will provide the user with an approach to the data files when only the producer, but not the file title or specific subject content, is known. This index will also indicate all files produced by each of these agencies, a help in determining which activity may provide the greatest depth in a certain field.

### 3. Obsolete Files

For those users who received copies of the test project "Master Index", in the 16mm microfilm format, in November, 1969, we have included a list of file descriptions that are not included in this hard copy edition. An update survey determined that these files are no longer available, for the various reasons stated.

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Army Materiel Command Harry Diamond Laboratories Washington, D. C.	019
Army Materiel Command Packaging, Storage and Containerization Center Tobyhanna Army Depot, Pa.	005
Army Missile Command Redstone Arsenal, Huntsville, Alabama	001, 020, 022, 025 026, 028 030, 031
Bio Sciences Information Service Biological Abstracts Philadelphia, Pa.	008
Chemical Abstracts Service Ohio State University Columbus, Ohio	009
Clearinghouse For Federal Scientific and Technical Information Springfield, Va.	013, 038 039, 040
Defense Logistics Services Center Battle Creek, Michigan	016, 018
Derivation and Tabulation Associates, Inc. (D.A.T.A.) Orange, New Jersey	014



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Information Handling Services (VSMF) Englewood, Colorado	041, 042 043, 044 045
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Naval Air Technical Services Facility Philadelphia, Pa.	24
Naval Ships Systems Command Shipyard Management Directorate Washington, D. C.	023
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VSMF Military Standards File	044
VSMF Spec-Data II	045

A. ADRES (ARMY DATA RETRIEVAL ENGINEERING SYSTEM)

Army Missile Command, Redstone Arsenal, Huntsville, Alabama 35809.  
16 mm cartridges, bar code, with numbered frames, various cross reference indexes. For Missile Command and their contractors. About 140 cartridges. Current, monthly supplements, revised semiannually.

B. The ADRES is an Army Missile Command System for the selection of parts and is a method of furthering standardization. Contains standards, Army drawings and other selected data which are indexed by family name, characteristic and part number. Mandatory use of ADRES is required of all Research and Development and Production contractors who prepare documentation for the Army Missile Command. Produced in various sections using data and information that apply to missile engineering and production. System contains about 200,000 items divided into the general areas listed below.

	<u>No. of cartridges</u>
Military Specifications	33
Military and Federal Standards	6
MICOM Missile Iterim Specifications and Missile Purchase Descriptions	5
Missile Command Common Drawings	57
Packaging Data Sheets and Packaging Listings	33
Missile Command Part Numbers to Federal Stock Numbers	3
Federal Stock Numbers to Missile Command Part Numbers	3

C. Military Specifications  
Federal Standards  
Military Standards  
Engineering Drawings  
Packaging  
Quality Assurance  
Federal Stock Numbers  
Missiles  
Electronics and Electrical Engineering  
Mechanical Engineering

D. For further information contact:

Army Missile Command  
Code AMSMI-IDA  
Redstone Arsenal  
Huntsville, Alabama 35809

Telephone: (205) 876-8773, Mr. Jessie P. Evans

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 001



A.        AIM SYSTEM II MICROFILM MILITARY SPECIFICATION SYSTEM

Specialized Business Services Inc., Rochester, New York 14606.  
16 mm cartridges, odometer indexing with sequential frame numbers, book and film index. Commercial lease. 160+ cartridges. Current, updated monthly.

B.        Contains all Military and Federal specifications included in the Department of Defense Index to Specifications and Standards. Includes Qualified Product Lists. Computer generated index reissued bimonthly. Title index on film reprinted each month.

C.        Specifications  
Federal Specifications  
Military Specifications  
Military Standards  
Federal Standards  
Standards  
Qualified Product Lists

D.        Available on annual lease for \$2,790 from:

Specialized Business Services, Inc.  
620 Trolley Boulevard  
Rochester, New York 14606

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 002

A.        AIM SYSTEM II MICROFILM MILITARY STANDARDS SYSTEM

Specialized Business Services Inc., Rochester, New York 14606.  
16 mm cartridges, odometer indexing with sequential frame numbers, book  
index. Commercial lease. 10 cartridges. Current, updated bimonthly.

B.        Complete file for drawing type standards, containing AN, AND, MS,  
NAS, MSFC and NAF series standards. Computer generated index  
reissued bimonthly. Voice communications via Libraphone to central information  
center.

C.        Standards  
Military Standards

D.        Available on annual lease for \$450 from:

Specialized Business Services Inc.  
620 Trolley Boulevard  
Rochester, New York 14606

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 003

A.        AIM SYSTEM II MICROFILM VENDOR CATALOG SYSTEM

Specialized Business Services Inc., Rochester, New York 14606.  
16 mm cartridges, odometer indexing with sequential frame numbers, numbered  
catalogs, book index. Commercial lease. 500 cartridges. Updated monthly.

B.        Manufacturer and vendor catalogs for general industry, defense  
          contractors, and military activities engaged in research, design  
          production or procurement. Over 7,000 vendor catalogs and more than one  
million catalog pages including transistor data sheet file. Book index by  
vendors, catalogs and products. Voice communications via Libraphone to  
central information center, with computer assisted product search.

C.        Vendor Catalogs  
          Vendor Part Numbers  
          Electronics and Electrical Engineering  
          Mechanical Engineering  
          Components  
          Mechanical Parts  
          Transistors

D.        Available on annual lease for \$3975 from:

Specialized Business Services, Inc.  
620 Trolley Boulevard  
Rochester, New York 14606

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 004

A. AMC PACKAGING DATA MICROFILM FILE (AMCPDMF)

Distribution and Transportation Directorate, Code AMCDT-BC, Army Material Command Headquarters, Washington, D.C. 20315. 16 mm cartridge, serially sequenced by FSN, available through Army channels. 61 cartridges. New file, will be updated quarterly.

B. Detailed packaging file. Essentially a film of all packaging data sheets for items used by the Army. Arranged in FSN serial accession of packaging sheet numbers. File is available to Army depots at no charge. Others will be charged on a per cartridge basis. File consists of the following:

Packaging Data Sheets	(FSN Sequence)	cartridges 1-55
Packaging Data Sheets	(Part Number only)	cartridges 56-60
Standard Packaging Data Sheets	(Miscellaneous)	cartridge 61

C. Packaging  
Packaging Data Sheets  
Logistics

D. All persons may obtain ordering information from:

The AMC Packaging Storage and Containerization Center  
Tobyhanna Army Depot, Attn: AMXTO-T  
Tobyhanna, Pennsylvania 18466.  
Telephone: (717) 894-8301, extension 7366.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 005

A. ARMY MASTER DATA FILE

Distribution and Transportation Directorate, AMCDT-E, Army Material Command Headquarters, Washington, D.C. 20315. 16 mm cartridge, serially sequenced, available through Army channels. Files are reissued monthly (M), quarterly (Q), and semi-annually (SA) as indicated below.

B. Item and supply data of interest to Army logistics functions, consisting of five files:

Selected Management Data File (FIIN Sequence)	10 cartridges	M
Freight Classification File (FIIN Sequence)	4 cartridges	SA
Standard Transportability File (Line Item No Sequence)	1 cartridge	SA
Interchangeability and Substitution File (FIIN Sequence)	1 cartridge	Q
Reference and History File (Reference No./FSN Sequence)	6 cartridges	SA

C. Logistics  
Packaging  
Freight Classifications  
Interchangeability

D. Available at no cost to authorized Army users from: AMC Catalog Data Office Code AMXNC-CDA, Mr. Okum, New Cumberland, Pennsylvania 17070. Telephone: (717) 782-6011. Others may request information from the address in Section A above.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 006

A. ARMY TAILORED CROSS REFERENCE LIST

Distribution and Transportation Directorate, Code AMCDT-E, Army Material Command Headquarters, Washington, D.C. 20315. 16 mm cartridge, serially sequenced by reference number, available through Army channels. 7 cartridges. Current, reissued semiannually.

B. Produced from the Defense Logistics Service Center's Master Cross Reference List, the file lists only part numbers used by the Army, giving manufacturer's code, other identifying numbers, and FIIN. See also the ARMY MASTER DATA FILE.

C. FIIG  
General Supplies  
Federal Supply Items  
Federal Stock Number

D. Available at no cost to authorized Army users from:

AMC Catalog Data Office, Code AMXNC-CDA, Mr. Okum  
New Cumberland, Pennsylvania 17070 Telephone: (717) 782-6011.

Others may request information from the address in Section A above.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 007

A. BIOLOGICAL ABSTRACTS ON MICROFILM

BioSciences Information Service of Biological Abstracts, Philadelphia, Pennsylvania 19103. 16 mm cartridge, bar code, image count, serial sequence, external book indexes (computer produced). Commercial lease. 125 cartridges. 1926 to present. Updated bimonthly.

B. Two million abstracts of articles and reports in life science research. \$1600 first year with back files, \$600 thereafter for current films, but the subscriber must also purchase the current hard copy index for \$800 per year.

C. Biology  
Biostatistics  
Weapon Effects  
Biochemistry  
Biophysics  
Bioengineering  
Behavioral Biology  
Ecology  
Botany  
Zoology  
Forestry  
Food Technology

D. See prices in section B. Order from : BioSciences Information Service of Biological Abstracts, 2100 Arch Street, Philadelphia, Pennsylvania 19103, Attn: Dr. John H. Mason. Telephone (215) 109-1100 extension 37 or 38.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 008

A. CHEMICAL ABSTRACTS ON MICROFILM

Chemical Abstracts Service, Ohio State University, Columbus, Ohio 43210. 16 mm cartridges, bar code, accession number sequence, external book index. Commercial lease. Current, updated 8-10 times per year.

B. An English language abstracting and indexing service, Chemical Abstracts covers chemistry and chemical engineering worldwide. Estimated 1970 volume is 270,000 abstracts from all sources of chemical literature. Indexes not microfilmed. Chemical Abstracts Service is a division of the American Chemical Society.

C. Chemical Abstracts  
Chemistry  
Chemical Engineering

D. Prices effective in 1971, \$2,200 for next twelve months including back issues from 1907 to present, \$1,550 for succeeding years, to current subscribers of printed issues of Chemical Abstracts.

Available from:

Chemical Abstracts Service  
Ohio State University  
Columbus, Ohio 43210  
Attn: Marketing Department  
Phone: (614) 293-1929

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. OC9



A.       COMMERCIAL SPECIFICATION DRAWINGS, SANDIA 800,000 SERIES

Technical Services Directorate, Picatinny Arsenal, Dover, New Jersey 07801. 16 mm cartridge, Miracode, coding index. Available to qualified requestors. 6 cartridges. Updated as needed. Test film.

B.       Special experimental file of SANDIA Corporation drawings used by Picatinny engineers.

C.       Specifications  
          Components  
          Mechanical Parts  
          Fasteners  
          Couplings  
          Subsystems  
          Electronic and Electrical Engineering  
          Vendors

D.       The complete file is available for \$36. Request information from:

Technical Services Directorate  
Code SMUPA-RT-E (EDS&R Task Team)  
Picatinny Arsenal  
Dover, New Jersey 07801

Telephone: (201) 2130, Mr. Otto Koudelka

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 010

A. CONSOLIDATED MASTER CROSS REFERENCE LIST (CMRL Part I)

Distribution and Transportation Directorate, Code AMCDT-E, Army Material Command Headquarters, Washington, D.C. 20315. 16 mm cartridge, serially sequenced by reference number or FSN, available through Army channels. 27 cartridges. Current, reissued semiannually.

B. Reproduced from the Defense Logistics Service Center's (DLSC) Master Cross Reference List The file lists all part numbers in the Federal Catalog System, giving manufacturer's code, other identifying numbers, and FIIN. See also the ARMY MASTER DATA FILE The two files are: CMRL Part I (Reference Number Sequence) and CMRL Part II (FSN Sequence).

C. FIIG  
General Supplies  
Federal Supply Items  
Federal Stock Number

D. Available at no cost to authorized Army users from: AMC Catalog Data Office, Code AMXNC-CDA, Mr. Okum, New Cumberland, Penna. 17070. Telephone: (717) 872-6011. Others may request information from the address in Section A above, or DLSC Code DLSC-CPP, Battlecreek, Michigan 49016. Telephone: (616) 962-6511, extension 6453.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 011

- A. CROSS REFERENCE LIST (SM-4-7) ON COMMERCIAL SPECIFICATION  
DRAWINGS SANDIA 800,000 SERIES

Technical Services Directorate, Picatinny Arsenal, Dover, New  
Jersey 07801. 16 mm cartridge, Miracode, coding index. 1 cartridge. Updated  
as needed, limited operation.

- B. A cross reference listing between SANDIA drawings and other  
standards and specifications.

- C. Specifications  
Components  
Mechanical parts  
Fasteners  
Couplings  
Subsystems  
Electronic and Electrical Engineering  
Standards  
Vendors

- D. Request information from:

Technical Services Directorate  
Code SMUPA-RT-E (EDS&R Task Team)  
Picatinny Arsenal  
Dover, New Jersey 07801

Telephone: (201) 328-2130, Mr. Otto Koudelka

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 012

A. CUMULATIVE MICROFILM INDEX TO USGRDR

Clearinghouse for Federal Scientific and Technical Information, U.S.  
Department of Commerce, Springfield, Virginia 22151. 16 mm reels or cartridges,  
sequential order. Government sale. 20 reels. Reissued in 1969.

B. The Clearinghouse has been experimenting with an index on 16 mm microfilm  
which cumulates the United States Government Research and Development  
Reports Indexes from July 1964 to July 1969. This index was developed on an  
experimental basis to use in handling general reference searches received by the  
Clearinghouse.

The result is a product containing over 150,000 titles that represents  
the first comprehensive computer-generated index to the U.S. Government report  
literature. It allows reference searchers to browse this literature quickly for  
retrieval purposes.

While the file is not polished, its continuity of coverage may make it  
useful to librarians and technical information specialists working in the informa-  
tion field. This file is now available to the general public.

The Index is in two segments -- July 1964-December 1967 (Reels 1-13) and  
January 1968-June 1969 (Reels 14-20).

C. Technical Reports  
Chemistry  
Chemical Engineering  
Electronics and Electrical Engineering  
Mechanical Engineering  
Aeronautics  
Astrophysics  
Social Sciences  
Mathematical Sciences  
Physics  
Space Technology

D. The Microfilm Index is available in the following format:

Twenty 100-foot reels at \$100  
Twenty 100-foot 3M cartridges at \$135  
Twenty 100-foot Recordak cartridges at \$135

File may be ordered from the address in section A above, attn:  
Customer Inquiries Telephone: (703) 321-8560.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

A. D.A.T.A. TRANSISTOR INFORMATION MICROFILM FILE (Uncoded)

Derivation and Tabulation Associates, Inc., Orange, New Jersey 07050.  
16 mm cartridge, serial type number. External book indexes. Commercial  
subscription. 8 cartridges. Current, updated quarterly.

B. Covers 41 U.S. manufacturer's data sheets on some 5,000 type-numbers.  
External indexes include parameter searching (also sold separately),  
discontinued transistor listing, and current numeric index. Quarterly supplements,  
reissued semiannually. \$490 per year.

C. Components  
Semiconductor Devices  
Transistors  
Electronics and Electrical Engineering  
Specifications  
Vendor Catalogs

D. Additional information from: Derivation and Tabulation Associates, Inc.,  
Orange, New Jersey 07050, attn: Henry Tulchin. Telephone: (201)  
673-8030.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 014

A. DOD RESEARCH RESUMES (FORM 1498) IN SELECTED AREAS

Technical Services Directorate, Picatinny Arsenal, Dover, New Jersey  
07801. 16 mm cartridges, Miracode, coding index. Normally not available.  
3 cartridges. Test film, updating uncertain.

B. Current project resumes of ongoing research within the Department  
of Defense in selected areas (Lasers and Masers, Explosives,  
Ammunition, Radiation and Shielding, Nuclear Weapon Effects, and Missiles).

C. Lasers and Masers  
Explosives  
Ammunition  
Radiation Shielding  
Radioactivity  
Nuclear Explosive Effects  
Research Projects  
Missiles

D. Request information from:

Technical Services Directorate  
Code SMUPA-RT-E (EDS&R Task Team)  
Picatinny Arsenal  
Dover, New Jersey 07801

Telephone: (201) 328-2130, Mr. Otto Koudelka

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 015

A. FEDERAL ITEM IDENTIFICATIONS, FORM DD146, FEDERAL SUPPLY CATALOG

Defense Logistics Services Center, Battle Creek, Michigan. 16 mm cartridge, serial sequence, external indexing. Federal government only, 1200 cartridges. Current, updated monthly.

B. Microfilmed series of all Federal Supply Catalog items for which a Form DD146 has been made. Film representation is essentially a photograph of this form, indexed in Federal Supply Class sequence. File covers about 58% of all Federal Supply Catalog items. The film is available to Federal agencies by FSC class. Hard copy is automatically distributed to interested Cataloging offices. Additional copies may be obtained on a reimbursable basis. This file may be used in conjunction with the Federal Supply Catalog Master Cross Reference List.

C. FIIG  
General Supplies  
Federal Supply Items  
Federal Stock Numbers

D. Microfilm is available from address below. Film price is \$2.82 per cartridge. Defense Logistics Services Center, attn: Code CPP, Battle Creek, Michigan 49016. Telephone (616) 921-6511 extension 6868. Special orders for hard copy may be addressed to Defense Logistics Services Center, Code CMQ.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 016

A. FEDERAL ITEM IDENTIFICATION GUIDES FOR SUPPLY CATALOGING

Technical Services Directorate, Picatinny Arsenal, Dover, New Jersey 07801. 16 mm cartridge, Miracode, coding index. Available to qualified requestors. 12 cartridges. Experimental, currently updated.

B. Selected descriptive patterns for areas related to general weapon systems engineering. Indexed by descriptors and parameters.

C. Weapons Systems  
Components  
Subsystems  
Specifications  
Standards  
FIIG  
Cataloging  
Describing

D. The complete file is available for \$66. Request information from:

Technical Services Directorate  
Code SMUPA-RT-E (EDS&R Task Team)  
Picatinny Arsenal  
Dover, New Jersey 07801

Telephone: (201) 328-2130, Mr. Otto Koudelka

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 017



A. FEDERAL SUPPLY CATALOG MASTER CROSS REFERENCE LIST (MCRL)

Defense Logistics Service Center, Battle Creek, Michigan. 16 mm cartridge and hard copy (book form), serial sequence. Microfilm available to Federal government only. About 40 reels. Current, issued semi-annually.

B. Various manufacturers' part numbers in serial sequence cross referenced to manufacturer's code, variation code, and Federal Stock Number. Covers 12.8 million numbers. This file may be used in conjunction with the Federal Item Identification Guides, Form DD146, Federal Supply Catalog file. Book form is published in a consolidated version (CRL-1) and service-tailored versions. The consolidated version is available to Federal Agencies through their publications distribution offices, and may be obtained by the general public from the Superintendent of Documents, Government Printing Office, Washington, D.C. Book form publications are published annually with quarterly cumulative change bulletins.

C. Federal Supply Items  
Federal Stock Numbers  
Vendor Part Numbers

D. Microfilm (consolidated version) available to Federal agencies for \$3.12 per cartridge from:  
Defense Logistics Services Center attn: Code CPP, Battle Creek,  
Michigan 49016. Telephone (616) 921-6511.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 018

A. FUSE ORDNANCE TECHNICAL DATA AND DOCUMENTATION

Harry Diamond Laboratories, Army Material Command, Washington, D.C. 20408. 16 mm cartridge, bar code, accession sequence, title index. Secret material. Not normally available. 280 cartridges. Current, continuous updating.

B. Complete technical documentation files for fuse ordnance engineering and related areas, covering manuals, procedures for maintenance and repair, inspection and test, etc. Uses computer produced title index. Updated by filming change documentation. Used as internal file.

C. Fuzes (Ordnance)  
Maintenance  
Tests  
Inspection  
Ordnance  
Explosives

D. Request information from address in section A above, attn: Mr. W. Staymates. Direct telephone inquires to Mr. W. Staymates, area code (202) OX6-9921.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 019

A. GSA STOCK CATALOG

Army Missile Command, Code AMSMI IDD, Redstone Arsenal,  
Huntsville, Alabama 35809 16 mm cartridge, Miracode, coding index.  
Not normally available. 2 cartridges. Not current, updated as needed.

B A Federal Supply Service catalog of commonly used and special  
items carried in GSA stores depots. 700 pages on film  
covering 40,000 items. Coded to 6,000 item names and respective  
Federal and Military specifications.

C GSA Stock  
Office Equipment  
General Supplies  
Specifications  
Standards

D Request availability from address above in section A,  
Attn: Roland Guard. Telephone inquiries may be made to Roland  
Guard, area code (205) 876 4663.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 020

A. IDEP (INTERAGENCY DATA EXCHANGE PROGRAM)

Army/NASA IDEP Office, U.S. Army Missile Command, Redstone Arsenal, Alabama 35809. 16 mm reel or cartridge, bar code, accession number sequence, optical coincidence and computer listing type index. Limited availability to qualified agencies and contractors. About 285 cartridges. Updated quarterly.

B. Covers aerospace and missile test reports and specifications of components and parts as prepared by participants other than original manufacturers. Also covers test procedures, reliability history and failure analysis. Contains about 30,000 test reports and 15,000 calibration procedures. Uses optical coincidence index, and book index by subject. Sponsored by Army, Navy, Air Force, and NASA. Other IDEP Offices: Fleet Missile Systems Analysis and Evaluation Group (Code E-63), Corona, California 91720, and Los Angeles Air Force Station, Code HQ SAMSO (SMSDI), Los Angeles, California 90045. Limited to agencies and contractors in aerospace and weapon systems area participating in actual testing.

C. Components  
Specifications  
Reliability  
Missiles  
Aircraft  
Tests  
Performance Tests  
Mechanical Parts  
Failure  
Mechanical Properties  
Calibration Procedures  
Test Equipment  
Measuring Instruments

D. For additional information about IDEP, contact: U.S. Army Missile Command, Army/NASA IDEP Office, Redstone Scientific Information Center, AMSMI-RBP, Redstone Arsenal, Huntsville, Alabama 35809, Telephone: Area Code (205) 876-8720.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 021

A.        INTEGRATED CIRCUITS (EDS 0009)

Army Missile Command, Code AMSMI IDD, Redstone Arsenal,  
Huntsville, Alabama 35809. 16 mm cartridge, Miracode, coding index.  
For Army agencies and Army missile contractors. 26 cartridges. Not  
current, will be updated this December.

B.        A comprehensive, flexible system for searching approximately  
          4,000 commercial computer logic circuits. Searched by  
characteristic requirements, both electrical and mechanical, plus  
other terms. Includes only devices currently being manufactured.

C        Computers  
          Logic Circuits  
          Electrical and Electronic Engineering  
          Circuits  
          Design

D.        Request information from the address in section A above.  
          Attn: Roland Guard. Telephone inquiries may be made to  
Roland Guard (205) 876 4663.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. C22

A. MARINE ENGINEERING FILE

Naval Ships Systems Command Headquarters, Shipyard Management Directorate, Code NSHP 0731, Washington, D.C. 20360. 16mm cartridge, bar code and numbered frames, separate index. Commercial lease and via official channels. About 50 cartridges, current, reissued annually.

B. Manufactures and vendors catalog pages applying to ship construction and repair arranged by groups and items. Developed by the Navy for use at Naval shipyards, a commercial version is available.

C. Ships  
Maintenance  
Shipbuilding  
Marine Engineering  
Naval Architecture

D. Request government availability from the address in section A above, Attn: Mr. A.V. Petrucelli. Telephone area code (301) 295-1515. Others may order from Information Handling Services, Englewood, Colorado 80110.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 023

A. MASTER COMPONENT REPAIR LIST (MCRL)

Naval Air Systems Command Headquarters, Code NAIR 4141, Washington, D.C. 20309. 16 mm cartridge, serial sequence. Available through official channels. About 150 cartridges, reissued 1968, updated irregularly.

B. A computer produced listing, in cartridge sets, for selected aircraft and engine types. Contains parts listings by components and assemblies. MCRLs are listed by component, giving repair activities. Each cartridge contains appropriate Component Repair Data Sheets (CRDS) containing manufacturers part numbers, manufacturers code, nomenclature, FSN, and other information.

C. Aircraft  
Aircraft Engines  
Jet Engines  
Piston Engines  
Parts Lists  
Maintenance  
Component Repair Data Sheets

D. Distributed by Naval Air Technical Services Facility, Attn: John Miliron, Code MRBPW-1, Philadelphia, Pennsylvania 19112. Telephone: (215) 697-2000, extension 2925.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 024

A. MICROFILM CARD CATALOG FOR REDSTONE SCIENTIFIC INFORMATION CENTER

Redstone Scientific Information Center, U.S. Army Missile Command, Redstone Arsenal, Huntsville, Alabama 35809. 16 mm reel, in sequence by authors, subjects and alphabetic title. Normally for internal use. 60 reels. Current, updated irregularly.

B. Microfilm file for all library card catalogs of commercially available books in the Redstone Scientific Information Center. About 120,000 volumes covering all aspects of missile and space technology. A shelf list of all holdings, including over 1,000,000 technical reports, is also available on microfilm for on-site use.

C. Missiles  
Missile Guidance  
Propulsion  
Avionics

D. For further information contact: Redstone Scientific Information Center, U.S. Army Missile Command, Redstone Arsenal, Huntsville, Alabama 35809, attn: Miss Jane F. Bentley, telephone: (205) 876-1240.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 025



A. MISSILE COMMAND PARTS FILE (EDS-0009)

Army Missile Command, Code AMSMI-IDD, Redstone Arsenal, Huntsville, Alabama 35809. 16 mm cartridge, Miracode, coding index. Available for Army agencies and Army missile contractors. 82 cartridges. Current, updated as required.

B. Covers 200,000 Federal Supply items (classes 1420/Guided Missile Components, 1430/Guided Missile Remote Control System, 1440/Guided Missile Launchers, 1450/Guided Missile Handling and Service Equipment, and 6920/Armament Training Devices), of interest to the Army Missile Command. Coded for automatic retrieval by characteristics, Federal Stock Numbers, and various reference numbers. The file is composed of an index in alphabetic sequence by item name, a characteristic search index, the data sheets, and a cross reference file in Federal Stock Number and reference number sequences.

C. Components  
Subsystems  
Missiles  
Missile Guidance  
Remote Control  
Control Equipment  
Ordnance Handling Equipment  
Maintenance  
Missile Launchers  
Missile Transporters  
Training Devices  
Specifications  
Maintenance Equipment

D. Qualified users request ordering information from the address above in section A, attn: Roland Guard. Telephone inquiries may be made to Roland Guard, area Code (205) 876-4663.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 026

A. PERIODICALS ON MICROFILM, MISCELLANEOUS

Commercial publishers and microfilm houses. 35mm, some 16mm, reel and cartridge by publication and year. Use periodical indexes and indexing/abstracting services for index search. Commercial sale and subscription.

B. Various journals and periodicals from all fields of science and technology have been microfilmed and are available in 35mm or 16mm. Catalogs are available from:

University Microfilms, a Xerox Company, Ann Arbor, Michigan 48106.  
Bell and Howell Co., Microphoto Division, 1700 Shaw Avenue,  
Cleveland, Ohio 44112.  
Atlantic Microfilm Corporation, Spring Valley, New York 10944.  
IMPRESS, 3M Co., 1750 Pennsylvania Ave., N.W., Washington, D.C.  
20006.

C. Periodicals  
Aeronautics  
Chemistry  
Electronics and Electrical Engineering  
Mechanical Engineering

D. The addresses of the various companies are listed in section B above.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 027

A.           PROPULSION TECHNOLOGY (ROCKET)

Propulsion Laboratory, Army Missile Command, AMSMI-RK, Redstone Arsenal, Alabama 35809. 16 mm cartridges, Miracode, indexed by descriptors and parameters. Some confidential data. Restricted availability. Filming completed May, 1969, next update undetermined.

B.           General information for 35 missile systems, both free and guided.  
Covers detailed information on 56 propulsion systems for these missiles, including information on various assemblies, components, parts, materials, and performance data.

C.           Missiles  
              Rocket Engines  
              Subsystems  
              Engine Components  
              Propulsion  
              Materials  
              Rocket Motors  
              Performance Tests

D.           Available to government agencies with the "need to know." Information may be obtained from: Army Missile Command, Propulsion Laboratory, Code AMSMI-RK (Mr. J.C. Cox), Redstone Arsenal, Alabama 35809. Direct telephone inquiries to Mr. J.C. Cox, (205) 876-3732.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 028

A. RESEARCH MATERIALS INFORMATION FILES

Research Materials Information Center, Solid State Division,  
Oak Ridge National Laboratory, Oak Ridge, Tennessee 38730. 16 mm  
cartridge, Miracode, special coding index. Normally not available. 190  
cartridges. Current, updated as required.

B. About 62,000 items concerning high purity inorganic materials for  
research purposes, especially for the field of solid state or  
materials research. Films contain data sheets, abstracts, reports and papers.  
World-wide scope of materials.

C. Materials  
Magnetic Materials  
Optical Properties  
Optical Materials  
Semiconductor (Materials)  
Electrical Properties  
Research Specimens  
Purification -- Crystal Growth  
Crystal Structure  
Physical Properties

D. Information given on availability, preparation, and properties of  
materials to those working in materials science from:

Research Materials Information Center  
Solid State Division  
Oak Ridge National Laboratory  
Oak Ridge, Tennessee 38730

Telephone inquiries may be made to area code (615), 483-8611,  
extension 3-1287, or using the Federal Telecommunication System, (615) 483-1287.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 029

A. SCENIC (SCIENTIFIC AND ENGINEERING INFORMATION CACHE)

Guidance and Control Laboratory, AMSMI-RGL, Army Missile Command, Redstone Arsenal, Huntsville, Alabama 35809. 16 mm cartridge, Miracode, descriptor and identifier indexing. Secret data. Available to qualified agencies. 9 cartridges. Current, updating uncertain.

B. Characteristic data for guidance systems and components in "fact sheet" format, broken down by next sub-assembly. Dovers about 44 Missile Systems, Inertial Measurement Units (Platform), Guidance Computers (airborne), Autopilot/Attitude Control Subsystems, Gyroscopes, Accelerometers, and radar systems.

C. Missiles  
Subsystems  
Automatic Pilots  
Guidance Computers  
Gyroscopes  
Accelerometers  
Inertial Guidance  
Computers  
Radar  
Note: full file vocabulary available on film

D. Additional information available from: Commanding General, Army Missile Command, AMSMI-RGL, Redstone Arsenal, Building 5400, Huntsville, Alabama 35809, attn: J.S. Hunter. Direct telephone inquiries to J.S. Hunter, (205) 876-3106.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 030

A. SEMICONDUCTOR DEVICE FILE (EDS-0009)

Army Missile Command, Code AMSMI-IDB, Redstone Arsenal, Huntsville, Alabama 35899. 16 mm cartridge, Miracode, by types, data parameters, 63 cartridges. For Army missile contractors. Current, updated semiannually. New version in December, 1969

B Data sheets and specifications for military and commercial semiconductor devices (about 30,000). Includes only MIL Specifications diodes, but all current transistors. Searched by characteristic, type number, or equivalent devices. Includes Characteristics Search Index, Type Number Index, and the Microfilm File for MIL Specifications, Army Drawings, JEDEC Numbers and Commercial Data Sheets. Available to Army agencies and Missile Command contractors through official channels. This is similar to the D.A.T.A. TRANSISTOR INFORMATION MICROFILM FILE (MIRACODE), available from Data and Tabulation Derivation Associates, Orange, New Jersey 07050, by commercial subscription, (See acc. #14)

C. Components  
Semiconductor Devices  
Transistors  
Electrical and Electronic Engineering  
Specifications  
Diodes

D Available from address in section A above, attn: Roland Guard  
Telephone inquiries may be made to Roland Guard, area code (205)  
876 4663

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 031

A.       SHOWCASE MICROFILM LIBRARY FOR CONSTRUCTION (SML-C)

Showcase Corporation, Detroit, Michigan 48202. 16 mm cartridge, sequential frame numbers, book and filmed index. Commercial lease. 100 cartridges. Current, updated quarterly.

B.       A complete microfilm library designed specifically for the construction industry and design profession, containing manufacturers' catalogs, selected specifications from the U.S. Government (including pertinent Federal Specifications, U.S. Department of Commerce Specifications, Federal Housing Specifications and Standards, Army Corps of Engineers Guide Specifications, and others), and relevant information from industry associations, institutes, and government agencies. The file is indexed by product, keyword, trade name, and manufacturer's name.

C.       Civil Engineering  
Vendor Catalogs  
Specifications  
Construction Equipment  
Construction Materials  
Construction

D.       Available on annual lease for \$2,400 from:

Showcase Corporation  
Showcase Building  
6230 John R. Street  
Detroit, Michigan 48202

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 032

A.       SHOWCASE MICROFILM LIBRARY MILITARY SPECIFICATIONS AND STANDARDS  
FOR CONSTRUCTION (SML-MSC)

Showcase Corporation,, Detroit, Michigan 48202. 16 mm cartridge,  
sequential frame numbers, book and filmed index. Commercial lease. 38  
cartridges. Current, updated semi-annually.

B.       A complete microfilm library designed specifically for the construction  
industry and design profession. Contains pertinent Military Specifica-  
tions, Standards, and Handbooks, Federal Specifications and Standards, and the  
Army Corps of Engineers Guide Specifications.

C.       Civil Engineering  
Specifications  
Construction Equipment  
Construction Materials  
Construction

D.       Available on annual lease for \$2,100 from:

Showcase Corporation  
Showcase Building  
6230 John R. Street  
Detroit, Michigan 48202

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 033



A. SLINGS, HOISTS AND ADAPTERS FOR NUCLEAR WEAPONS

Technical Services Directorate, Picatinny Arsenal, Dover,  
New Jersey 07801. 16 mm. cartridge, Miracode, coding index. Available to  
qualified requestors. 1 cartridge. About 1967. Test film.

B. Design and cataloging data, including drawings indexed and  
retrieved by characteristics and parameters. Experimental  
program. Updating not planned.

C. Ordnance Handling Equipment  
Slings  
Hoists  
Adapters

Note: Full File Vocabulary Available on Microfilm

D. Information available from:

Technical Services Directorate  
Code SMUPA-RT-E (EDS&R Task Team)  
Picatinny Arsenal  
Dover, New Jersey 07801

Telephone: (201) 328-2130, Mr. Otto Koudelka

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 034

A. TECHNICAL DOCUMENTS CONCERNING MATERIALS

Air Force Materials Laboratory, AFSC, Wright-Patterson AFB, Ohio 45433. 16 mm cartridge, Miracode, coordinate indexing. Available to qualified users. About 85 cartridges. Not current.

B. Properties and applications of materials of interest to the Air Force (excluding biological materials), specifically, structural materials, fluids, adhesives, elastomers, coatings, and encapsulating materials. File contains document abstracts coordinately indexed by material, properties, and applications. Original documents available in the materials laboratory. Uses a large, special vocabulary of 10,000 terms. Basic search system has been converted to computer base, but full updating of microfilm system may be accomplished in the future. Presently, there are about 5,000 documents in the microfilm system, and 60,000 documents in the computer system. File includes materials test reports.

C. Materials  
Construction Materials  
Hydraulic Fluids  
Liquids  
Elastomers  
Encapsulating Materials  
Coatings  
Test Reports  
Properties  
Processes  
Applications

D. Direct inquiries on file availability to: Air Force Materials Laboratory, AFSC. Attn: Harold B. Thompson, Code MAAM Wright-Patterson AFB, Ohio 45433 Telephone: (513) 257-1110 extension 52160. The entire file is stored at the Air Force Materials Laboratory and all except a small percent of restricted reports may be reviewed by visitors in the library. An instruction sheet has been prepared for those making Miracode Searches.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 035

A. TEST AND MEASURING EQUIPMENT LISTING (including accession number and cross references)

Technical Services Directorate, Picatinny Arsenal, Dover, New Jersey  
07801. 16 mm cartridge, Miracode, coding index. Available to qualified users.  
1 cartridge. Experimental film, updated as needed.

B. Identification and location (at Picatinny Arsenal) of test and measuring equipment. Can be searched by equipment, noun name, manufacturer, or model numbers. Indicates user, nomenclature, building location, and arsenal ID number.

C. Test Equipment  
Measuring Instruments  
Calibration Standards  
Vendor Part Numbers (Test equipment)

D. Available for \$6 from:

Technical Services Directorate  
Code SMUPA-RT-E (EDS&R Task Team)  
Picatinny Arsenal  
Dover, New Jersey 07801

Telephone: (201) 328-2130, Mr. Otto Kcudelka

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 036

A. UNITERM INDEX CHEMICAL PATENTS ON MICROFILM

IFI/Plenum Data Corporation, Washington, D.C. 20036. 35 mm and 16 mm reel accession number sequence. External dual dictionary index and magnetic tape search system. Commercial sale. 1959 to current. Updated monthly.

B. All U.S. Chemical patents from Official Gazette classification and all chemically related patents from other classes. Filmed in IFI accession number sequence by years. Available in the following series to complete patents contained in the Uniterm Index:

1959 - 1963 (58,113 patents)	35 mm reels	\$1,850.
1964 - 1966 (50,007 patents)	16 mm reels	900.
1967 (18,964 patents)	16 mm reels	515.
1968 (18,000 patents)	16 mm reels	515.
1969 (20,000 patents)	16 mm reels	515.
1970 (20,000 patents)	16 mm reels	515.

Also available:

Patent Claims contained in the Uniterm Index:

1950 - 1969 reel or cartridge, 16 mm	\$1,350.
1970 reel or cartridge, 16 mm	200.

Minor Terms contained in the Uniterm Index:

1950 - 1963 (282,000 compounds)	
6 cartridges, 16 mm	\$2,200.

C. Chemistry  
Chemical Engineering  
Patents

D. Available from:

IFI/Plenum Data Corporation  
1000 Connecticut Avenue, N.W.  
Washington, D.C. 20036  
Attention: H. Alcock Telephone: (202) 296-4936.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 037

A. U.S. PATENT NUMBERS BY CLASS AND SUBCLASS

Clearinghouse for Federal Scientific and Technical Information,  
U.S. Department of Commerce, Springfield, Virginia 22151. 16 mm reels,  
sequential order. Government sale. 17 reels. Reissued in 1969.

B. A listing of U.S. patent numbers by original class and subclass,  
and by cross referenced class available as an entire file for \$70.00,  
or by cartridge at \$6.00 each. The order number for the entire file is PB  
185,900. Individual cartridge numbers are given below, with their respective  
information content.

SECTION I

<u>Order Number</u>	<u>Original Classes Covered</u>
PB 185,901	2-51
PB 185,902	52-91
PB 185,903	92-136
PB 185,904	137-191
PB 185,905	192-239
PB 185,906	240-282
PB 185,907	283-431

SECTION II

<u>Order Number</u>	<u>Cross Reference Classes</u>
PB 185,908	2-52
PB 185,909	53-90
PB 185,910	91-133
PB 185,911	134-178
PB 185,912	179-222
PB 185,913	223-259
PB 185,914	260-296
PB 185,915	297-337
PB 185,916	338-431

SECTION III

<u>Order Number</u>
PB 185,917

A complete reference for  
classifications of design  
patents, with cross references.  
1 reel.

C.     Patents  
         Mechanical Engineering  
         Chemistry  
         Chemical Engineering  
         Electronics and Electrical Engineering

D.     File may be ordered from the address in section A above, attn:  
         Customer Inquiries Telephone: (703) 321-8560.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 038

A. U.S. PATENT NUMBER SEQUENCE CLASSIFICATION RECORD

Clearinghouse for Federal Scientific and Technical Information,  
U.S. Department of Commerce, Springfield, Virginia 22151. 16 mm reels,  
sequential order. Government sale. 16 reels. Issued in January, 1970.

B. A listing of U.S. Patents arranged by patent number listing the  
original and all cross reference classifications for each patent.  
It comprises all patents issued through April 29, 1969, and all reclassifica-  
tions through January 1, 1969. The complete package sells for \$70.00, all  
numbers from 1940 on (7 reels) may be purchased for \$35, or individual reels  
may be purchased for \$6.00 each.

C. Patents  
Mechanical Engineering  
Chemistry  
Chemical Engineering  
Electronics and Electrical Engineering

D. File may be ordered from the address in Section A above, attn:  
Customer Inquiries, Telephone: (703) 321-8560.

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 039

A. U.S. PATENT SUBSCRIPTION SERVICE

Clearinghouse for Federal Scientific and Technical Information, Code 52.12 (Subscription Sales), U.S. Department of Commerce, Springfield, Virginia 22151. 16 mm reels, bar code, patent number sequence, no index provided. Annual subscription. About 250 reels per year. 1966 to present. Updated as required.

B. All U.S. patents as contained in the Official Gazette, which serves as an index. Reels issued as accumulated, about one month after announcement. Back years from 1966 are available at \$895 per year. Annual subscription all classes, is \$895 per year. General and Mechanical category only is \$600 per year. Electrical category is \$300 per year and Chemical category only is \$300 per year.

C. Patents  
Mechanical Engineering  
Electronics and Electrical Engineering  
Chemistry  
Chemical Engineering

D. Order from the address in section A above, attn: Mr. Foster, Subscription Sales. Telephone: (703) 321-8507

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 040



A. VSMF DESIGN ENGINEERING FILE

Information Handling Services, Division of Indian Head, Inc.  
Englewood, Colorado 80110. 16 mm cartridge, bar code number frames, book  
and film index. Commercial lease. About 220 cartridges. Current, reissued  
quarterly.

B. Catalog data, specifications, drawings, and test reports on parts,  
materials and services used in industry. Indexed and filmed by  
product groupings.

C. Vendor Catalogs  
Specifications  
Engineering Drawings  
Vendor Part Numbers  
Test Reports  
Electronics and Electrical Engineering  
Mechanical Engineering  
Components  
Mechanical Parts

D. Available on monthly lease for \$480 per month, or annually for \$5360  
from:

Information Handling Services  
5500 South Valentia Way  
Englewood, Colorado 80110

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 041

A. VSMF DOCUMENTATION FILE

Information Handling Services, Division of Indian Head, Inc.,  
Englewood, Colorado 80110. 16 mm cartridge, bar code number frames, book  
index. Commercial lease. About 200 cartridges. Current, updated bimonthly.

B. Vendor catalogs on parts, materials, services and equipment for  
manufacturers in the defense, aerospace, and commercial industries.  
Indexed alphabetically by vendor name and by product. 8 mm also available.  
Part number series for document file \$560 per year.

C. Vendor Catalogs  
Vendor Part Numbers  
Electronics and Electrical Engineering  
Mechanical Engineering  
Components  
Mechanical Parts

D. Available on 16 mm on an annual lease for \$3,125 from:

Information Handling Services  
5500 South Valentia Way  
Englewood, Colorado 80110

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 042

A. VSMF MILITARY SPECIFICATION FILE

Information Handling Services, Division of Indian Head, Inc.,  
Englewood, Colorado 80110. 16 mm cartridge, bar code numbered frames, filmed  
index. Commercial lease. About 205 cartridges. Current, updated monthly.

B. Specifications and book standards used by industry, covering 483  
Federal Supply Classifications, MIL SPECS, QPL's, MIL STDS, JANS,  
FED SPECS, and FED STDS, in six military specification files. Numeric index  
on film. Also available in 8 mm. Historical file also available.

C. Specifications  
Federal Specifications  
Military Specifications  
Military Standards  
Federal Standards  
Standards  
Qualified Product Lists

D. Available on 16 mm on annual lease as follows:

Assemblies	-- \$450
Electrical	-- 1120
Instruments	-- 450
Mechanical	-- 1065
Procedures	-- 165
All	-- 3350

Order from:

Information Handling Services  
5500 South Valentia Way  
Englewood, Colorado 80110

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 043

A. VSMF MILITARY STANDARDS FILE

Information Handling Services, Division of Indian Head, Inc.,  
Englewood, Colorado 80110. 16 mm cartridge, bar code, numbered frames,  
filmed numeric index. Commercial lease. 10 cartridges. Current, updated  
bimonthly.

B. Microfilm cartridges of MS, AN, AND, NASA Standard Parts; MIL-D-1000,  
MIL Handbook H4-1, H4-2 and 300 on ground support equipment.

C. Standards  
Military Standards

D. Available on 16 mm on an annual lease for \$560 from:

Information Handling Services  
5500 South Valentia Way  
Englewood, Colorado 80110

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 044

A. VSMF SPEC-DATA II

Information Handling Services, Div. of Indian Head Inc., Englewood, Colorado 80110. 16 mm cartridge, bar code number frames, book index. Commercial lease. About 120 cartridges. Current, updated semiannually.

B. Vendor Catalogs and specifications for the construction industry covers 3,000 vendors, with 150,000 pages of information. Data organized in Construction Specifications Institute format, and arranged for side-by-side product comparison. The full system is available on either 16 mm cartridges or 8 mm. Specific subjects of the full system may be purchased at less cost.

C. Civil Engineering  
Vendor Catalogs  
Specifications  
Construction Equipment  
Construction Materials  
Construction

D. Specific information may be obtained from the address below. The full 16 mm system is available on annual lease for \$5,800.

Information Handling Services, 5500 South Valentia Way, Englewood, Colorado 80110

LOCAL AVAILABILITY AND USER'S INSTRUCTIONS  
(to be added locally)

acc. no. 045

1. UPDATE INFORMATION

The Master Index has been developed to facilitate your search for sources of technical information. It can be no better than you, as the user, will make it. Please assist us in the following areas:

1. Correcting incorrect data in the current index.
2. Locating additional technical files of general interest stored on 16mm microfilm.
3. Offering your suggestions for improving the usability of the Master Index.

Several copies of two (2) different forms have been included at the end of this section. The Master Index Correction Sheet should be used for recommending changes to information currently in the index. The Master Index Addition Sheet should be used for identifying a file you believe should be included in the index. The EDS&R Task Team will forward all suggestions pertaining to the contents of individual files to the responsible file custodian and producer for consideration.

If the forms supplied with this book have all been used, please send your recommendation to:

Commanding Officer  
Picatinny Arsenal  
Dover, New Jersey 07801  
Attn: SMUPA-RT-E (EDS&R Task Team)

Present update policies will result in the release of a revised index every six months. All recommendations will be greatly appreciated, and each will be individually considered for incorporation into the next Master Index revision.

# MASTER INDEX CORRECTION SHEET

YOUR NAME:  
TELEPHONE:  
ADDRESS:

CORRECTION  
SUGGESTION

DATE:

JOB TITLE:

FILE TITLE:

DESIGNATION:

RECOMMENDATION:

MAIL TO:

COMMANDING OFFICER  
PICATINNY ARSENAL  
DOVER, NEW JERSEY 07801  
ATTN: SMUPA-RT-E  
(EDS&R TASK TEAM)

2. INSTRUCTIONS FOR COMPLETING THE MASTER INDEX ADDITION SHEET

1. Title - - Self Explanatory
2. Classification - - Highest security classification of file contents
3. How Often Updated - - Examples: Annually, Semi-Annually, Quarterly, As Needed, Test Film
4. No. of Cartridges - - Self Explanatory
5. Type of Coding - - Automated or Manual, & type of indexes
6. Cost-Unit - - Cost per cartridge or per set
7. Film Contents - - Brief Description
8. Custodian - - Responsible Government Activity
9. Producer - - Organization (Government or Commercial) doing the actual work
10. Users - - All users, if known
11. Availability Conditions - - Conditions under which the file would be reproduced and made available - in whole or in part - to other organizations, and how the file might be requested  
  
Available From - - Responsible organization and/or individual from whom the file could be obtained
12. Submitted By - - The name of the organization submitting the attached form. This paragraph will not be used on the Master Index Film. It is for record keeping purposes only.



# MASTER INDEX ADDITION SHEET

1. File Title

2. Classification

3. How Often Updated

4. No of Cartridges

5. Type of Coding

6. Cost/Unit

7. Film Contents:

8. Custodian:

Organization:

Address:

Responsible Individual:

Telephone:

9. Producer:

Organization:

Address:

Responsible Individual:

Telephone:

10. Users:

Organization (Symbol)

11. Availability Conditions:

Available From:

12. Submitted By:

Organization:

Address:

Responsible Individual:

Telephone:

Date:

## OBSOLETE FILES

Those listed in past editions of the Master Index but are no longer available:

D.A.T.A. Transistor Information Microfilm File (Miracode) - not commercially available.

Project Flattop; Helicopter Engineering Drawings - Miracoded 16mm microfilm is no longer used; all drawings are distributed on 35mm aperture cards.

Sweet's Microfilm Vendor Catalog System - no longer available.

Sweet's Military Specification File - no longer available.

Test Equipment Calibration Procedures - this file is now part of the IDEP Program.

VSMF Plant Engineering File - superseded by VSMF Spec-Data II.

UNCLASSIFIED

Security Classification

## DOCUMENT CONTROL DATA - R &amp; D

(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)

1. ORIGINATING ACTIVITY (Corporate author)  
Dataflow Systems Incorporated  
7758 Wisconsin Avenue  
Bethesda, Maryland 20014

2a. REPORT SECURITY CLASSIFICATION

U N C L A S S I F I E D

2b. GROUP

## 3. REPORT TITLE

MASTER INDEX TO ENGINEERING DATA FILES IN SIXTEEN MILLIMETER MICROFILM FORMATS

## 4. DESCRIPTIVE NOTES (Type of report and inclusive dates)

First Edition

## 5. AUTHOR(S) (First name, middle initial, last name)

## 6. REPORT DATE

September 1970

## 7a. TOTAL NO. OF PAGES

71

## 7b. NO. OF REFS

## 8a. CONTRACT OR GRANT NO.

DAAA21-69-C-0642

## b. PROJECT NO.

c.

d.

## 9a. ORIGINATOR'S REPORT NO (S)

9b. OTHER REPORT NO (S) (Any other numbers that may be assigned this report)

## 10. DISTRIBUTION STATEMENT

Distribution of this document is unlimited

## 11. SUPPLEMENTARY NOTES

12. SPONSORING MILITARY ACTIVITY Engineering  
Data Storage and Retrieval (EDS&R) Project,  
Technical Services Directorate,  
Picatinny Arsenal, Dover, N. J. 07801

## 13. ABSTRACT

Produced for the Engineering Data Storage and Retrieval (EDS&R) Project (part of the Department of Defense Standardization Program), this Master Index provides the following information on 45 government and commercial engineering data files in 16mm microfilm formats: File size and type; arrangement of information and type of index; security classifications; file availability, noting address and distribution source, any restriction, and costs; number of reels (cartridges); period covered, updating cycle, and general subject content. The individual data files are arranged alphabetically by title and indexed by subject descriptors and producing activities. Forms and instructions are included to encourage the addition of new files and the updating of current ones.

U N C L A S S I F I E D

Security Classification

14. KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT
Microfilm						
Engineering Data Systems						
Information Systems						
Engineering Drawings						
Indexes (Documentation)						
Components						
Federal Supply Classification						
Equipment Specifications						
Mechanical Properties						
Design Standards						
Engineering Standards						
Standardization						
Materials Specifications						
Instrument Characteristics						
Standards						
Specifications						

U N C L A S S I F I E D

Security Classification